

# 8

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/506,480  
Source: PCT  
Date Processed by STIC: 11/10/2005

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 11/10/2005

PATENT APPLICATION: US/10/506,480

TIME: 09:13:08

Input Set : A:\ERD\_US\_0402.ST25.txt

Output Set: N:\CRF4\11102005\J506480.raw

3 <110> APPLICANT: Erdmann, Volker A.  
4 Lamla, Thorsten  
6 <120> TITLE OF INVENTION: Streptavidin-binding Peptide  
8 <130> FILE REFERENCE: ERD/US/0402, 7003/21  
10 <140> CURRENT APPLICATION NUMBER: 10/506,480  
11 <141> CURRENT FILING DATE: 2004-09-01  
13 <150> PRIOR APPLICATION NUMBER: DE 10208877  
14 <151> PRIOR FILING DATE: 2002-03-01  
16 <150> PRIOR APPLICATION NUMBER: DE 10248318  
17 <151> PRIOR FILING DATE: 2002-10-16  
19 <160> NUMBER OF SEQ ID NOS: 17  
21 <170> SOFTWARE: PatentIn version 3.2  
23 <210> SEQ ID NO: 1  
24 <211> LENGTH: 5  
25 <212> TYPE: PRT  
26 <213> ORGANISM: Artificial  
28 <220> FEATURE:  
29 <223> OTHER INFORMATION: binding peptide  
31 <400> SEQUENCE: 1  
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34 1 5  
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38 <211> LENGTH: 4  
39 <212> TYPE: PRT  
40 <213> ORGANISM: Artificial  
42 <220> FEATURE:  
43 <223> OTHER INFORMATION: binding peptide  
45 <400> SEQUENCE: 2  
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48 1  
51 <210> SEQ ID NO: 3  
52 <211> LENGTH: 4  
53 <212> TYPE: PRT  
54 <213> ORGANISM: Artificial  
56 <220> FEATURE:  
57 <223> OTHER INFORMATION: binding peptide  
59 <400> SEQUENCE: 3  
61 Val Glu Ala Trp  
62 1  
65 <210> SEQ ID NO: 4  
66 <211> LENGTH: 3  
67 <212> TYPE: PRT  
68 <213> ORGANISM: Artificial

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71 <223> OTHER INFORMATION: binding peptide
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76 1
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80 <211> LENGTH: 3
81 <212> TYPE: PRT
82 <213> ORGANISM: Artificial
84 <220> FEATURE:
85 <223> OTHER INFORMATION: binding peptide
87 <400> SEQUENCE: 5
89 Val Glu Ala
90 1
93 <210> SEQ ID NO: 6
94 <211> LENGTH: 3
95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial
98 <220> FEATURE:
99 <223> OTHER INFORMATION: binding peptide
101 <400> SEQUENCE: 6
103 Glu Ala Trp
104 1
107 <210> SEQ ID NO: 7
108 <211> LENGTH: 5
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial
112 <220> FEATURE:
113 <223> OTHER INFORMATION: binding peptide
116 <220> FEATURE:
117 <221> NAME/KEY: misc_feature
118 <222> LOCATION: (3)..(3)
119 <223> OTHER INFORMATION: any aminoacid, in particular E, D, or G
121 <400> SEQUENCE: 7
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124 1 5
127 <210> SEQ ID NO: 8
128 <211> LENGTH: 6
129 <212> TYPE: PRT
130 <213> ORGANISM: Artificial
132 <220> FEATURE:
133 <223> OTHER INFORMATION: binding peptide
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137 <221> NAME/KEY: misc_feature
138 <222> LOCATION: (3)..(3)
139 <223> OTHER INFORMATION: any aminoacid, in particular E, D or G
141 <400> SEQUENCE: 8
W--> 143 Asp Val Xaa Ala Trp Leu
144 1 5

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Input Set : A:\ERD\_US\_0402.ST25.txt

Output Set: N:\CRF4\11102005\J506480.raw

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 156 <220> FEATURE:  
 157 <221> NAME/KEY: misc\_feature  
 158 <222> LOCATION: (3)..(3)  
 159 <223> OTHER INFORMATION: any aminoacid, in particular E, D or G  
 161 <220> FEATURE:  
 162 <221> NAME/KEY: misc\_feature  
 163 <222> LOCATION: (7)..(7)  
 164 <223> OTHER INFORMATION: any aminoacid, in particular D or G  
 166 <400> SEQUENCE: 9

W--&gt; 168 Asp Val Xaa Ala Trp Leu Xaa

169 1 5  
 172 <210> SEQ ID NO: 10  
 173 <211> LENGTH: 8  
 174 <212> TYPE: PRT  
 175 <213> ORGANISM: Artificial  
 177 <220> FEATURE:  
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 182 <221> NAME/KEY: misc\_feature  
 183 <222> LOCATION: (3)..(3)  
 184 <223> OTHER INFORMATION: any aminoacid, in particular E, D or G  
 186 <220> FEATURE:  
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 188 <222> LOCATION: (7)..(7)  
 189 <223> OTHER INFORMATION: any aminoacid, in particular D or G  
 191 <220> FEATURE:  
 192 <221> NAME/KEY: misc\_feature  
 193 <222> LOCATION: (8)..(8)  
 194 <223> OTHER INFORMATION: any aminoacid, in particular A or E  
 196 <400> SEQUENCE: 10

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 204 <212> TYPE: PRT  
 205 <213> ORGANISM: Artificial  
 207 <220> FEATURE:  
 208 <223> OTHER INFORMATION: binding peptide  
 211 <220> FEATURE:  
 212 <221> NAME/KEY: misc\_feature  
 213 <222> LOCATION: (3)..(3)  
 214 <223> OTHER INFORMATION: any aminoacid, in particular E, D, or G  
 216 <220> FEATURE:

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217 <221> NAME/KEY: misc_feature
218 <222> LOCATION: (7)..(7)
219 <223> OTHER INFORMATION: any aminoacid, in particular D or G
221 <220> FEATURE:
222 <221> NAME/KEY: misc_feature
223 <222> LOCATION: (8)..(8)
224 <223> OTHER INFORMATION: any aminoacid, in particular A or E
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229 1 5
232 <210> SEQ ID NO: 12
233 <211> LENGTH: 15
234 <212> TYPE: PRT
235 <213> ORGANISM: Artificial
237 <220> FEATURE:
238 <223> OTHER INFORMATION: binding peptide
241 <220> FEATURE:
242 <221> NAME/KEY: misc_feature
243 <222> LOCATION: (3)..(3)
244 <223> OTHER INFORMATION: any aminoacid, in particular E, D or G
246 <220> FEATURE:
247 <221> NAME/KEY: misc_feature
248 <222> LOCATION: (7)..(7)
249 <223> OTHER INFORMATION: any aminoacid, in particular D or G
251 <220> FEATURE:
252 <221> NAME/KEY: misc_feature
253 <222> LOCATION: (8)..(8)
254 <223> OTHER INFORMATION: any aminoacid, in particular A or E
256 <400> SEQUENCE: 12
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259 1 5 10 15
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263 <211> LENGTH: 5
264 <212> TYPE: PRT
265 <213> ORGANISM: Artificial
267 <220> FEATURE:
268 <223> OTHER INFORMATION: binding peptide
271 <220> FEATURE:
272 <221> NAME/KEY: misc_feature
273 <222> LOCATION: (1)..(5)
274 <223> OTHER INFORMATION: sequence connected to the carboxy-terminal end of Seq.-ID
11,
275 with 1 - 5 of said sequence, beginning amino-terminal
277 <400> SEQUENCE: 13
279 Pro Leu Val Glu Thr
280 1 5
283 <210> SEQ ID NO: 14
284 <211> LENGTH: 15
285 <212> TYPE: PRT
286 <213> ORGANISM: Artificial

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Input Set : A:\ERD\_US\_0402.ST25.txt

Output Set: N:\CRF4\11102005\J506480.raw

288 <220> FEATURE:  
289 <223> OTHER INFORMATION: binding peptide  
291 <400> SEQUENCE: 14  
293 Asp Leu Tyr Asp Ile Asp Arg Asn Trp Val Gly His Pro Gln Gly  
294 1 5 10 15  
297 <210> SEQ ID NO: 15  
298 <211> LENGTH: 15  
299 <212> TYPE: PRT  
300 <213> ORGANISM: Artificial  
302 <220> FEATURE:  
303 <223> OTHER INFORMATION: binding peptide  
305 <400> SEQUENCE: 15  
307 Asp Asn Tyr Asp Ala Asp Leu Ala Trp Asp Thr His Pro Gln Asp  
308 1 5 10 15  
311 <210> SEQ ID NO: 16  
312 <211> LENGTH: 15  
313 <212> TYPE: PRT  
314 <213> ORGANISM: Artificial  
316 <220> FEATURE:  
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319 <400> SEQUENCE: 16  
321 Asp Val Glu Ala Trp Leu Asp Glu Arg Val Pro Leu Val Glu Thr  
322 1 5 10 15  
325 <210> SEQ ID NO: 17  
326 <211> LENGTH: 15  
327 <212> TYPE: PRT  
328 <213> ORGANISM: Artificial  
330 <220> FEATURE:  
331 <223> OTHER INFORMATION: binding peptide  
333 <400> SEQUENCE: 17  
335 Asp Val Glu Ala Trp Ile Ala Asp Pro Ala Val His Phe Thr Thr  
336 1 5 10 15

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/506,480

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Input Set : A:\ERD\_US\_0402.ST25.txt  
Output Set: N:\CRF4\11102005\J506480.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; Xaa Pos. 3  
Seq#:8; Xaa Pos. 3  
Seq#:9; Xaa Pos. 3,7  
Seq#:10; Xaa Pos. 3,7,8  
Seq#:11; Xaa Pos. 3,7,8  
Seq#:12; Xaa Pos. 3,7,8

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17

## VERIFICATION SUMMARY

DATE: 11/10/2005

PATENT APPLICATION: US/10/506,480

TIME: 09:13:09

Input Set : A:\ERD\_US\_0402.ST25.txt

Output Set: N:\CRF4\11102005\J506480.raw

L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
L:168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
L:198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0